PAPA MAMADOU GUEYE

Systems & Cybersecurity Engineer | Microsoft 365 · Entra ID · IAM

Paris, France (open to relocation anywhere in France) | 07 53 16 77 87 | papa@pmgueye.fr
LinkedIn: linkedin.com/in/papa-mamadou-gueye-developpeur-cybersecurite | GitHub: github.com/MamadouPapa
Portfolio: pmgueye.fr/en/ | **Open to permanent or fixed-term positions — available immediately**

PROFILE

Systems and Cybersecurity Engineer holding a Master's degree in Cybersecurity & Cloud Computing (5-year degree), with **2 years of experience as Head of IT** in hybrid Microsoft environments (Active Directory, Entra ID, Microsoft 365, Intune) and Windows/Linux. Expertise in identity and access management (IAM), MFA rollout, system hardening, backups, DRP/BCP and GDPR compliance. Automation with PowerShell, Python and Power Platform.

KEY SKILLS

- **Security:** IAM, MFA, hardening, security audits, access management, backups, DRP/BCP, GDPR, governance
- **Microsoft 365 & Cloud:** Entra ID (Azure AD), Microsoft 365, Exchange Online, Intune, Azure, Power Apps, Power Automate, Dataverse
- **Systems:** Windows Server, Active Directory, GPO, Linux (Ubuntu, Debian), VMware, Hyper-V
- **Networking:** TCP/IP, DNS, DHCP, VLAN, VPN, firewalls, network monitoring
- **Scripting & development:** PowerShell, Python, C, SQL, MySQL, PHP, JavaScript, Git
- **Detection & testing (labs):** Sigma, auditd, Suricata, MITRE ATT&CK, Microsoft Graph, Pester, unittest, GitHub Actions
- **Working knowledge:** AWS, Docker, Kubernetes, Terraform, Jenkins, CI/CD, DevSecOps, pentesting, OWASP Top 10

PROFESSIONAL EXPERIENCE

Head of IT — Hautier IP, Nice **09/2024 – 09/2026**

- **Identity & access:** Led identity and access management (IAM) in a hybrid Active Directory / Entra ID environment: accounts, groups, GPOs and security policies.
- **Security & compliance:** Rolled out multi-factor authentication (MFA), hardened Windows/Linux workstations and servers, conducted security audits and led GDPR compliance.
- **Microsoft 365:** Administered Microsoft 365 (Exchange Online, Intune) and managed the entire IT asset fleet.
- **Infrastructure & continuity:** Implemented backups and DRP/BCP, ensured IT operations and maintenance and L1/L2 support; administered VMware and Hyper-V virtualization; managed the network (firewall, VPN, VLAN, DNS, DHCP).
- **Automation & projects:** Automated administration tasks with PowerShell and Python; built internal business applications (Power Apps, Power Automate, PHP, SQL); delivered secure, documented cloud/M365 IT projects through to production.

Web Developer (internship) — Lycom, Rabat, Morocco **05/2022 – 10/2022**

- Developed web applications (PHP, JavaScript, MySQL, HTML/CSS) in an Agile setting: database design, testing, bug fixing, documentation.

PROJECTS

Hermes — Budget comparison tool for patent filings — Hautier IP

- In production: client → countries → annuities and fees → PDF quote (DOMPDF), admin dashboard; CSRF tokens (hash_equals), Secure/HttpOnly/SameSite cookies, PDO. PHP, MySQL, JS, Bootstrap.

IdentityGuard — Read-only audit of AD and Entra ID identities — lab, 2026 github.com/MamadouPapa/IdentityGuard

- PowerShell module (Microsoft Graph + ActiveDirectory), 16 checks (krbtgt, Kerberoasting, AS-REP roasting, unconstrained delegation, LAPS, MFA, standing privileged roles, conditional access…); HTML report with score and remediation; 67 Pester tests in GitHub Actions CI (Linux, Windows, PowerShell 5.1).

EntraLifecycle — Entra ID identity lifecycle from the HR export — lab, 2026 github.com/MamadouPapa/EntraLifecycle

- PowerShell module (Graph): terraform-style plan validated before apply; joiner (UPN, role-based groups and license, manager, TAP), least-privilege mover, leaver without deletion; secret-free audit, ISO 27001:2022 / ANSSI; 125 Pester tests.

ProManager — Educational ransomware in C (offense) — Master's lab github.com/MamadouPapa/ProManager-Ransomware

- In an isolated VM: agent that compresses and encrypts a folder (AES-256-CBC, OpenSSL) and exfiltrates key/IV over TCP; GTK decryption client.

RansomWatch — Behavioral detection (defense) — blue team lab, 2026 github.com/MamadouPapa/RansomWatch

- Python (stdlib) detector for ProManager, 5 rules (write bursts, entropy > 7.5 bits/byte, ransom note, archive + deletion, .enc files); Sigma, auditd, Suricata; MITRE ATT&CK (T1083, T1560.002, T1486, T1041, T1095); 49 unittest tests.

EDUCATION

Master's degree in Cybersecurity & Cloud Computing (5-year degree), work-study — IPSSI Paris **02/2024 – 02/2026**

Bachelor's degree in Web & Mobile Development — Ibn Tofail University, Kenitra, Morocco **09/2020 – 07/2023**

CERTIFICATIONS

- **CNIL — GDPR Workshop**: key concepts, stakeholder responsibilities, DPO and compliance tools, local authorities
- **LinkedIn Learning**: IT Security and Cybersecurity Foundations; Advanced Cybersecurity; Cybersecurity and Governance for Leaders
- **SCRUMstudy**: Scrum Fundamentals Certified

LANGUAGES

French: fluent | English: professional working proficiency (B2, technical) | Wolof and Serer: native languages